

Energy - Docket Optical System

From: john@terrastructural.com
Sent: Monday, April 22, 2013 11:20 AM
To: Loyer, Joe@Energy
Subject: Geothermal April 25 workshop.

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California Energy Commission

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Dear Joe,

In working with a number of DWP's I have found two things while trying to establish Geothermal in our area. Number one most DWPs have a wealth of information on drilling in their area. Number two My insurance as a structural Driller is ten times that of a well driller. But Changes already made in Foundation Codes along with hybrid geothermal units provide the best road to wide spread use of Geothermal or Earth source heating and cooling in Southern California.

Earthquake codes requiring foundations go below daylight have been in place since 2005, making cassion foundations widespread in most new homes and remodels. Cassions are Drilled shafts that use the outer shell for structural uses and the inner void is filled with concrete. These inner voids are perfect for closed loops placements. The hybrid geothermal units are in the beginning stage don't use a compressor instead they collect heat from the pump in a reservoir to increase temperature and use the Closed loop for cooling which better suits a warmer climate.

So my question is how does AB 2339 effect all of this? I really need more information on these Hybrid geothermal pumps and the effects of having a closed loops system inside cassions. The DWP's have already given me the maps where I can and can not drill Bore holes. And the health Department says I'm not drilling a well.

Thanks
John Kreber